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**Experiment: 13. Perform Affine Transformation on the given image using python and Open CV.**

**Code:**

```
import cv2  
  
import numpy as np  
  
i = cv2.imread("image.jpg")  
  
h, w = i.shape[:2]  
  
p1 = np.float32([[50, 50], [200, 50], [50, 200]])  
  
p2 = np.float32([[10, 100], [200, 50], [100, 250]])  
  
m = cv2.getAffineTransform(p1, p2)  
  
a = cv2.warpAffine(i, m, (w, h))  
  
cv2.imshow("Original Image", i)  
  
cv2.imshow("Affine Transformed Image", a)  
  
cv2.waitKey(0)  
  
cv2.destroyAllWindows()
```

**Input and Output:**

